AUTODOC CLUB

How to change front lower arm on **AUDI A6 Saloon (4G2, 4GC, C7)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI, AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TFSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI, AUDI A6 Saloon (4G2, 4GC, C7) S6 quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI hybrid, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 1.8 TFSI, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TDI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A4 Saloon (8K2, B8) 2.0 TFSI Flexfuel quattro

REPLACEMENT: FRONT LOWER ARM – AUDI A6 SALOON (4G2, 4GC, C7). TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #21
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- XZN socket bit # 12
- Shock absorber socket
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Pin punch
- Rubber mallet
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: front lower arm – AUDI A6 Saloon (4G2, 4GC, C7). Professionals recommend:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

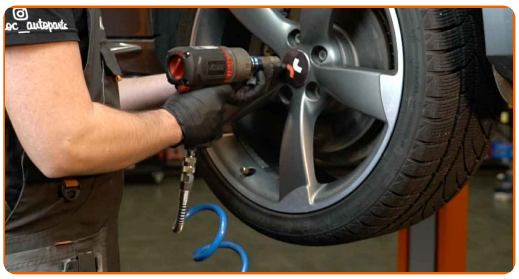
REPLACEMENT: FRONT LOWER ARM – AUDI A6 SALOON (4G2, 4GC, C7). RECOMMENDED SEQUENCE OF STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.



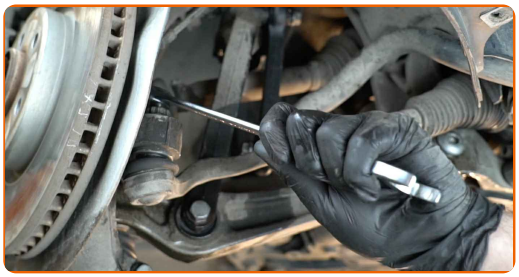
Replacement: front lower arm – AUDI A6 Saloon (4G2, 4GC, C7). AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

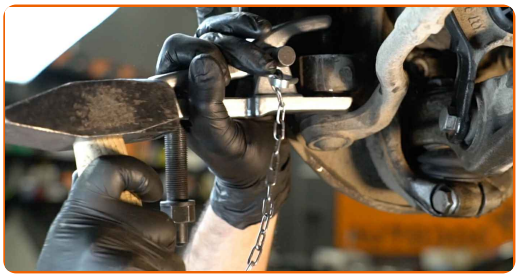
5 Remove the wheel.

6 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

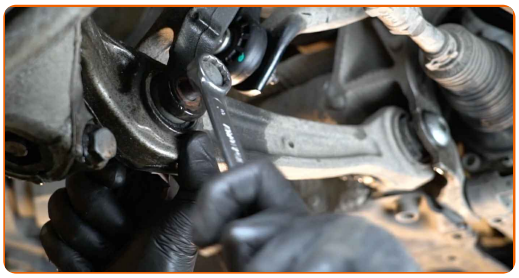
7 Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #21.



8 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

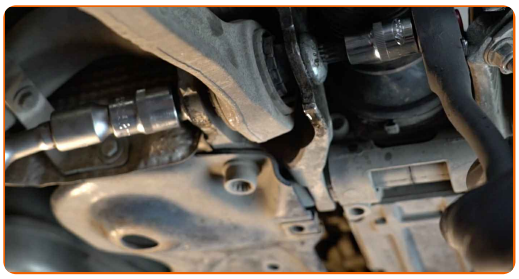


9 Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

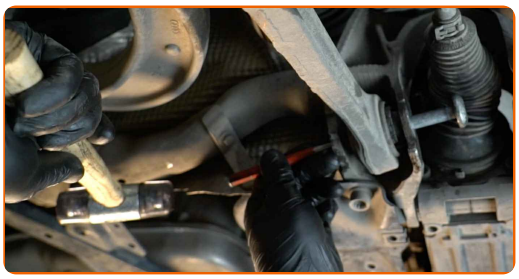


10 Remove the fastening bolt. Use a drive socket #18. Use a ratchet wrench.

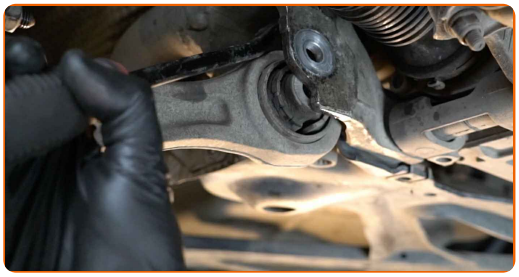
11 Unscrew the front arm fastener. Use XZN #12. Use a drive socket #18. Use a ratchet wrench.



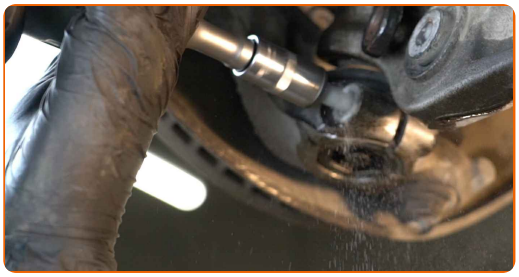
12 Remove the fastening bolt. Use a pin punch. Use a rubber mallet.



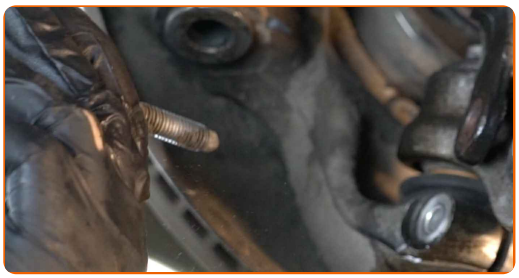
13 Disconnect the lower arm from the steering knuckle. Use a crowbar.



14 Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.

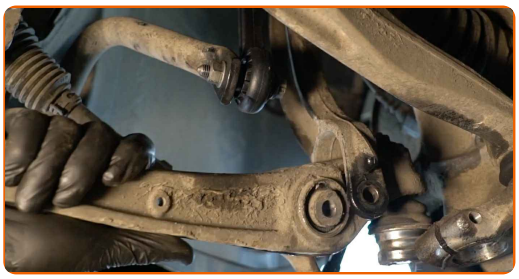


15 Remove the fastening bolt.

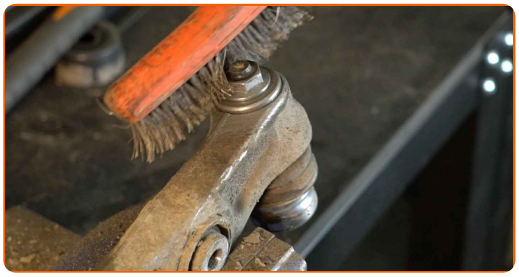


16 Release the fastener connecting the ball joint to the steering knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.

17 Remove the arm.



18 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



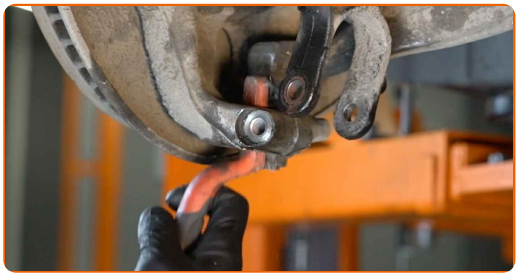
19 Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #21. Use a ratchet wrench.

20 Disconnect the spherical joint from the arm. Use a ball joint puller.

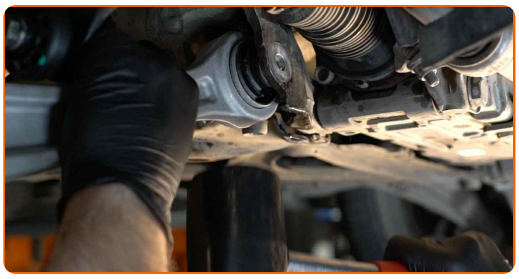
21 Attach the ball joint to the control arm.

22 Screw the fasteners of the ball joint. Use a drive socket #21. Use a ratchet wrench.

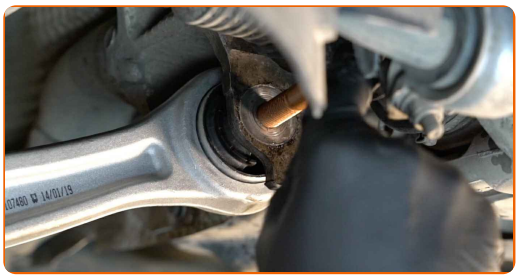
23 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



24 Install a new arm. Use a rubber mallet. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.

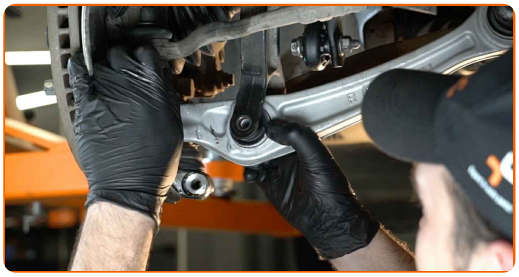


25 Install the fastening bolt.



26 Screw the front arm fastener. Use XZN #12. Use a drive socket #18. Use a ratchet wrench.

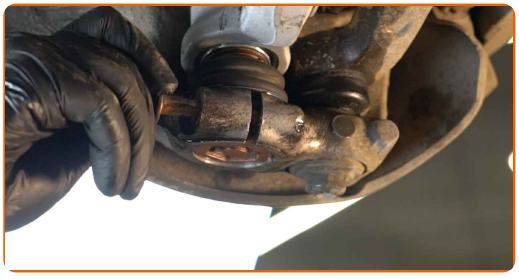
27 Connect the lower arm to the steering knuckle.



28 Install the fastening bolt.

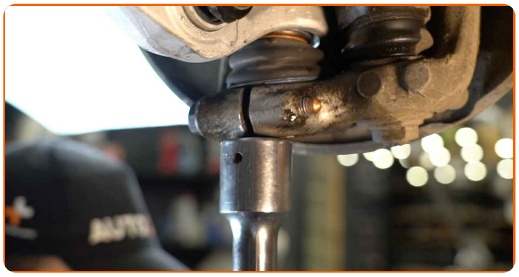
29 Screw in the fasteners connecting the suspension strut fork to the lower control arm. Use a drive socket #18. Use a ratchet wrench.

30 Install the fastening bolt.

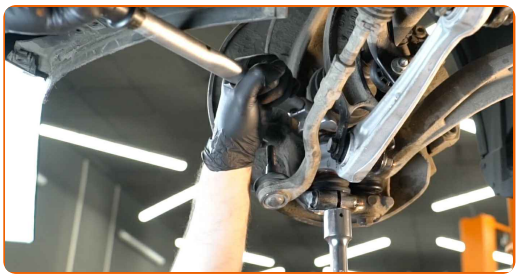


31 Screw the fasteners of the ball joint. Use a drive socket #16. Use a ratchet wrench.

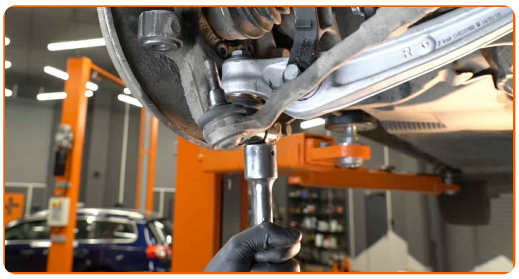
32 Prop up the steering knuckle. Use a hydraulic transmission jack.



33 Tighten the ball joint fastener. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 110 nm torque.



34 Raise the hydraulic transmission jack by 10-15 cm.

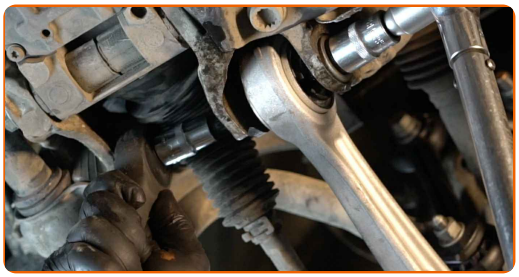


35 Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°

AUTODOC recommends:

- Important! Be sure to use new fasteners.

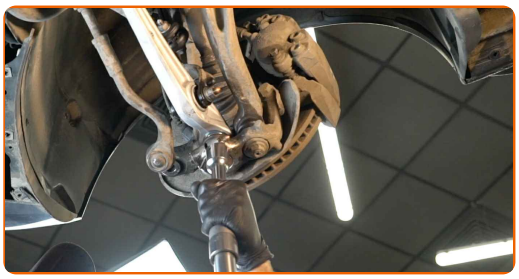
36 Tighten the front fastener connecting the control arm to the subframe. Use XZN #12. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque.+180°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

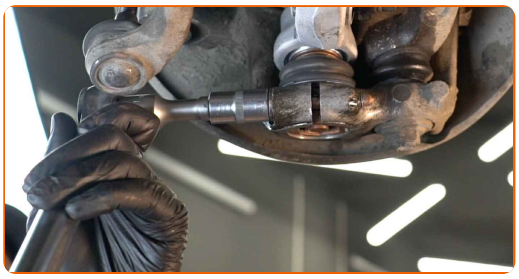
37 Remove the support from under the steering knuckle.



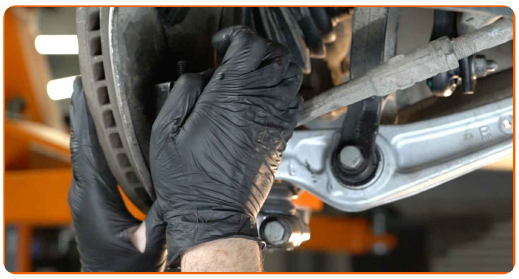
Replacement: front lower arm – AUDI A6 Saloon (4G2, 4GC, C7). AUTODOC experts recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

38 Tighten the ball joint fastener. Use a drive socket #16. Use a torque wrench. Tighten it to 40 nm torque.



39 Connect the tie rod end to the steering knuckle.

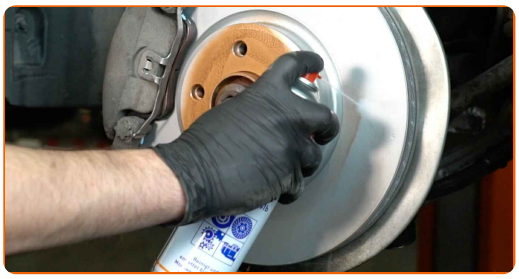


40 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #21. Use a torque wrench. Tighten it to 100 nm torque.

41 Treat all joints of the arm. Use copper grease.

42 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

43 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: front lower arm – AUDI A6 Saloon (4G2, 4GC, C7). After applying the spray, wait a few minutes.

44 Install the wheel.

Replacement: front lower arm – AUDI A6 Saloon (4G2, 4GC, C7). Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

45 Screw in the wheel bolts. Use wheel impact socket #17.

46 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.

47 Remove the jacks and chocks.

WELL DONE!

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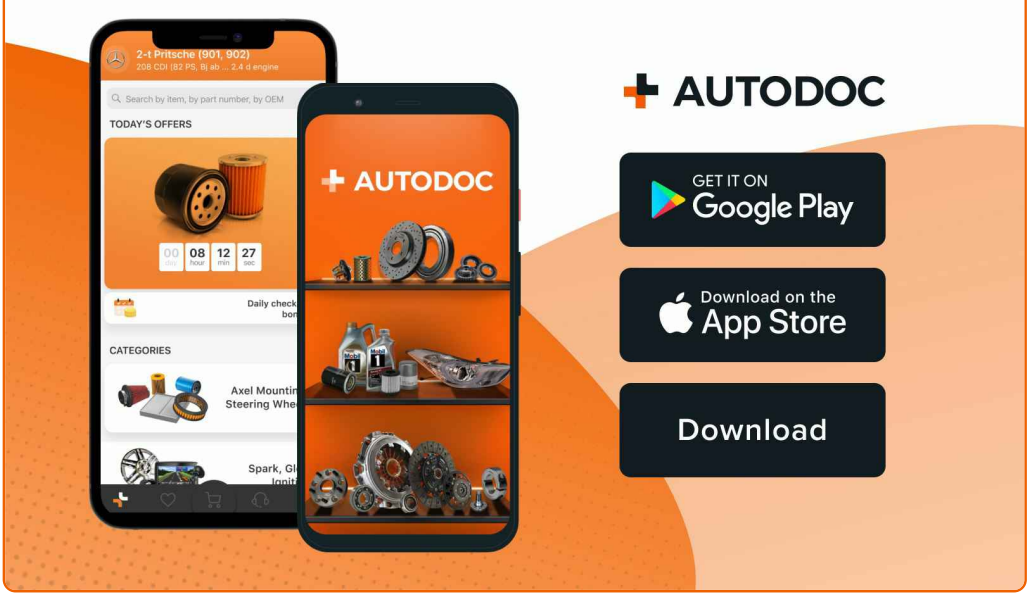

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CONTROL ARM: A WIDE SELECTION

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